C1 end

The resonant circuit comprises a material from which the electrical resistance decreases when the material comes into contact with moisture.

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IN THE CLAIMS:

Please amend claim 1 as follows:

1. (Twice Amended) A system for detecting the presence of moisture, comprising:

at least one electronic sensor having an inactive state and an activated state, said at least one sensor being arranged to detect the presence of moisture when in the activated state, said at least one sensor comprising a resonant circuit having a resonance frequency and being at least partly formed from a moisture sensitive material having an electrical resistance which increases when in contact with moisture, said at least one sensor being arranged to be wirelessly activated by an electromagnetic interrogation field when present in the electromagnetic interrogation field to generate a response to the electromagnetic interrogation field; and

C2

at least one reading device for obtaining information from said at least one sensor about the presence of moisture,

said at least one reading device comprising a transmitter-receiver device structured and arranged to generate an electromagnetic interrogation field and record the response of said at least one sensor to the electromagnetic interrogation field to obtain information about the presence of moisture at said at least one sensor,

said transmitter-receiver device comprising at least one frequency component corresponding to the resonance frequency of said resonant circuit,

said transmitter-receiver device being structured and arranged relative to said at least one sensor such that the electromagnetic interrogation field generated by said transmitter-receiver device is wirelessly propagated and wirelessly activates said at least one sensor to generate a response to the electronic interrogation field and the response of said at least one sensor is wirelessly received by said transmitter-receiver device.

Please amend claim 10 as follows:

C3

10. (Amended Three Times) A system according claim 1, wherein said transmitter-receiver device is designed as a transmission system for detecting an electromagnetic response signal generated by said at least one sensor in response to the electromagnetic interrogation field.

Please amend claim 13 as follows:

C4

13. (Amended Three Times) A system according to claim 1, wherein said transmitter-receiver device is designed as an absorption system for detecting energy absorbed from the interrogation field by said at least one sensor in response to the electromagnetic interrogation field.

Please amend claim 19 as follows.

C5

19. (Amended Three Times) A sensor for detecting the presence of moisture, comprising:

a resonant circuit having a resonance frequency and being at least partly formed from a moisture sensitive material having an electrical resistance which increases when in contact with moisture, the moisture sensitive material being arranged on a carrier material in the form of a coating, at least part of said circuit being formed by said coating,

said sensor being arranged to be wirelessly activated by an electromagnetic interrogation field when present in the electromagnetic interrogation field to cause the resonant circuit to start to resonate and thereby generate a response to the electromagnetic interrogation field,

said sensor having an inactive state when said resonant circuit does not resonate and an activated state when said resonant circuit resonates whereby said sensor detects the presence of moisture when in the activated state.